

CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method of asset management comprising:

sending an identification query to an asset identification tag, the asset identification tag having a global routing prefix of an Internet Protocol address and an asset identifier stored therein;

receiving, from the asset identification tag, an the asset identifier and the global routing prefix;

based on the global routing prefix received from the asset identification tag, determining identifying a predetermined suffix of a uniform resource locator for a selected asset lookup service of the received global routing prefix; and

appending the predetermined suffix to the global routing prefix received from the asset identification tag to create the uniform resource locator for the selected asset lookup service; and

based on the created uniform resource locator, sending the received asset identifier to the selected asset lookup service,

wherein the method is implemented by a processor operating with a computer readable medium.

2-13. (Canceled)

14. (Currently Amended) The method of claim 1, further comprising sending the global routing prefix to wherein the appending is performed by interrogating a predetermined resource service, and receiving the uniform

resource locator for the selected asset lookup service.

15. (Currently Amended) The method of claim 1, further comprising ~~formatting 14, wherein the predetermined resource service formats the uniform resource locator from the global routing prefix and a—the predetermined uniform asset lookup service suffix.~~

16. (Previously Presented) The method of claim 1, further comprising sending asset property information to the selected asset lookup service.

17-33. (Canceled)

34. (Currently Amended) A method of asset management comprising:

sending an identification query to an asset identification tag, the asset identification tag having a global routing prefix of an Internet Protocol address stored therein;

receiving, from the asset identification tag, the global routing prefix and an asset identifier indicating at least one of: an asset model descriptor, a unique asset serial number, an asset physical location, an asset age descriptor, or an asset environment descriptor; and

formatting a uniform resource locator ~~from—the—received—global—routing prefix—and—by appending a predetermined uniform asset lookup service suffix_to the received global routing prefix,~~

wherein the method is implemented by a processor operating with a computer readable medium.

35. (Previously Presented) The method of claim 34, further comprising

receiving predetermined fixed data representing a tag index compliant with an Internet Protocol address format.

36. (Previously Presented) The method of claim 35, wherein the global routing prefix, the asset identifier, and the predetermined fixed data representing the tag index are compliant with an Internet Protocol version 6 address format.

37. (Previously Presented) The method of claim 34, further comprising, based on the uniform resource locator, sending the asset identifier to an asset lookup service.

38. (Currently Amended) The method of claim 34, ~~further comprising sending the global routing prefix to wherein the formatting is performed by a predetermined resource service, and receiving the uniform resource locator from an asset lookup service.~~

39. (Original) The method of claim 34, wherein sending an identification query includes transmitting a modulated data signal over a frequency communication channel.

40. (Previously Presented) The method of claim 34, further comprising sending at least one of the asset physical location and the asset environment descriptor to an asset lookup service for storage.

41. (Currently Amended) ~~A~~One or more computer readable storage medium ~~media storing~~ having computer executable instructions for performing a method comprising which, when executed by one or more processors, perform:

receiving, from an asset identification tag, identification data having a first data element comprising a global routing prefix of an Internet Protocol address and a second data element comprising an asset identifier indicating one or more asset properties of an asset, the asset identification tag having stored therein the global routing prefix and the asset identifier;

determining ~~formatting~~ a uniform resource locator for a selected asset lookup service by appending a predetermined uniform asset lookup service suffix for the selected asset lookup service to the received global routing prefix; and

based on the formatted uniform resource locator, sending the received asset identifier to the selected asset lookup service.

42. (Currently Amended) The computer readable storage medium ~~media~~ of claim 41, wherein the one or more asset properties comprise at least one of: an asset model descriptor, a unique asset serial number, an asset physical location, an asset age descriptor, or an asset environment descriptor.

43. (Canceled)

44. (Currently Amended) The computer readable storage medium ~~media~~ of claim 41, ~~the method further comprising computer executable instructions which, when executed by one or more processors, perform:~~

storing the global routing prefix in a database, the database associating the global routing prefix with:

the asset identifier;

a serial number associated with the asset;

a model of the asset;
a manufacturer of the asset;
an expiration date of the asset;
a weight of the asset;
a color of the asset; or
a location associated with the asset.

45. (New) The method according to claim 1, wherein the global routing prefix and the asset identifier are stored together on the asset identification tag as part of an individual Internet Protocol version 6-compliant address.

46. (New) The method according to claim 45, wherein the asset identifier and the global routing prefix are received from the asset identification tag together in the Internet Protocol version 6-compliant address.

47. (New) The method according to claim 1, further comprising: rewriting the asset identification tag with a new global routing prefix.

48. (New) The method according to claim 47, further comprising: rewriting the asset identification tag with a new asset identifier.